



# UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE  
United States Patent and Trademark Office  
Address: COMMISSIONER FOR PATENTS  
P.O. Box 1450  
Alexandria, Virginia 22313-1450  
[www.uspto.gov](http://www.uspto.gov)

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/531,902	04/18/2005	Onno Eerenberg	NL 021027	2328
65913	7590	10/05/2009	EXAMINER	
NXP, B.V.			CZEKAJ, DAVID J	
NXP INTELLECTUAL PROPERTY & LICENSING				
M/S41-SJ			ART UNIT	PAPER NUMBER
1109 MCKAY DRIVE			2621	
SAN JOSE, CA 95131				
			NOTIFICATION DATE	DELIVERY MODE
			10/05/2009	ELECTRONIC

**Please find below and/or attached an Office communication concerning this application or proceeding.**

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

ip.department.us@nxp.com

<b>Office Action Summary</b>	<b>Application No.</b>	<b>Applicant(s)</b>	
	10/531,902	EERENBERG ET AL.	
	<b>Examiner</b>	<b>Art Unit</b>	
	DAVID CZEKAJ	2621	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

#### Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

#### Status

- 1) Responsive to communication(s) filed on \_\_\_\_.
- 2a) This action is **FINAL**.                    2b) This action is non-final.
- 3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

#### Disposition of Claims

- 4) Claim(s) 1-17 is/are pending in the application.
  - 4a) Of the above claim(s) \_\_\_\_ is/are withdrawn from consideration.
- 5) Claim(s) \_\_\_\_ is/are allowed.
- 6) Claim(s) 1-17 is/are rejected.
- 7) Claim(s) \_\_\_\_ is/are objected to.
- 8) Claim(s) \_\_\_\_ are subject to restriction and/or election requirement.

#### Application Papers

- 9) The specification is objected to by the Examiner.
- 10) The drawing(s) filed on 18 April 2005 is/are: a) accepted or b) objected to by the Examiner.
 

Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

#### Priority under 35 U.S.C. § 119

- 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
  - a) All    b) Some \* c) None of:
    1. Certified copies of the priority documents have been received.
    2. Certified copies of the priority documents have been received in Application No. \_\_\_\_.
    3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

#### Attachment(s)

- |  |   |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)            | 4) <input type="checkbox"/> Interview Summary (PTO-413)           |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)   | Paper No(s)/Mail Date. ____ .                                     |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| Paper No(s)/Mail Date <u>3/23/06</u> .   | 6) <input type="checkbox"/> Other: ____ .                         |

## DETAILED ACTION

### ***Claim Rejections - 35 USC § 103***

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

1. Claims 1-17 are rejected under 35 U.S.C. 103(a) as being unpatentable over Ohnishi (6075567) in view of Kalluri et al. (6931660), (hereinafter referred to as "Kalluri").

Regarding claim 1, Ohnishi discloses an apparatus that relates to an image code transform system (Ohnishi: column 1, lines 11-15). This apparatus comprises "generating a video signal comprising a plurality of sub pictures" (Ohnishi: figure 3, wherein the sub pictures are the small screen pictures), "dividing the first frame into uncompressed blocks such that each block comprises video only related to one sub picture" (Ohnishi: column 4, lines 40-45), and "generating a compressed signal by using a block based compression scheme" (Ohnishi: column 4, lines 50-62). However, this apparatus lacks the manipulation of control data as claimed. Kalluri teaches that it would be desirable to provide a simple and cost effect system for the simultaneous transmission of video (Kalluri: column 1, lines 61-67). To help alleviate this problem, Kalluri discloses "manipulating a first sub picture by manipulating the association of control data without modifying the compressed data" (Kalluri:

column 11, lines 44-60, wherein the control data is the MBAI or SSC values).

Therefore, it would have been obvious to one having ordinary skill in the art at the time the invention was made to take the apparatus disclosed by Ohnishi and add the processing taught by Kalluri in order to obtain an apparatus that can more easily transmit data over limited bandwidth networks.

Regarding claim 2, Kalluri discloses "replacing picture blocks of the first sub picture with blocks of a different picture" (Kalluri: column 11, lines 45-67).

Regarding claim 3, Kalluri discloses "associating the control data of a second sub picture with blocks of the first picture" (Kalluri: column 11, lines 45-67).

Regarding claim 4, Kalluri discloses "the control data comprises information related to the position of a sub picture" (Kalluri: column 10, lines 45-65).

Regarding claim 5, Kalluri discloses "selecting the blocks of the first picture by parsing the compressed signal to detect identification data" (Kalluri: column 10, lines 40-65, wherein the ID data is the SCC or MBAI).

Regarding claim 6, Kalluri discloses "the signal comprises slices each having a header" (Kalluri: column 10, lines 50-55). Although not disclosed, it would have been obvious to include a number of consecutive compressed blocks (Official Notice). Doing so would have been obvious in order to correctly determine the amount of processing time remaining.

Regarding claim 7, Kalluri discloses "each slice comprises a single block" (Kalluri: column 10, lines 45-67, wherein the slice can be a varying size).

Regarding claim 8, Kalluri discloses "each slice comprises a number of compressed blocks corresponding to a width of a picture" (Kalluri: column 10, lines 55-67, wherein the width is the horizontal positioning).

Regarding claim 9, note the examiners rejection for claims 1 and 8.

Regarding claim 10, Kalluri discloses "manipulating the first picture comprises manipulating a position of the first picture by modifying the control data" (Kalluri: column 11, lines 45-60).

Regarding claim 11, Kalluri discloses "performing a shifting operation" (Kalluri: column 11, lines 45-50, wherein the shifting is the relocating).

Regarding claim 12, Kalluri discloses "manipulating the vertical position of the picture by modifying slice numbers" (Kalluri: column 11, lines 45-60, wherein the MBAI and SCC indicate the slice numbers).

Regarding claim 13, Kalluri discloses "replacing blocks with pre defined blocks without modifying the control data" (Kalluri: column 11, lines 45-60).

Regarding claim 14, although not disclosed, it would have been obvious to set the motion vectors to the same value (Official Notice). Doing so would have been obvious in order to maintain a consistent video quality among the different slices.

Regarding claim 15, Kalluri discloses "the displacement is user-controllable" (Kalluri: column 11, lines 11-15).

Regarding claims 16-17, note the examiners rejection for claim 1.

***Conclusion***

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure:

US-6324216      11-2001      Igarashi et al.

US-5694173      12-1997      Kimura et al.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to DAVID CZEKAJ whose telephone number is (571)272-7327. The examiner can normally be reached on Mon-Thurs and every other Friday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Mehrdad Dastouri can be reached on (571) 272-7418. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Application/Control Number: 10/531,902  
Art Unit: 2621

Page 6

/Dave Czekaj/  
Primary Examiner, Art Unit 2621